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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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SP600125

Jnk inhibitor
Catalog No. SIH-381



Discovery through partnership | Excellence through quality

Overview

Product Name

SP600125

Description

Jnk inhibitor

Purity

>98%

CAS No.

129-56-6

Molecular Formula

C11H16N2O

Molecular Weight

220.2

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inhibitor

Solubility

Soluble in DMSO or methanol

Source

Synthetic

Appearance

Yellow to brown solid

SMILES

C1=CC=C4C3=C1C(=O)C2=CC=CC=C2C3=N[NH]4

InChI

InChI=1S/C14H8N2O/c17-14-9-5-2-1-4-8(9)13-12-10(14)6-3-7-11(12)15-16-13/h1-7H,(H,15,16)

InChIKey

ACPOUJIDANTYHO-UHFFFAOYSA-N

Safety Phrases

Classification: D2B - Toxic Material Causing Other Toxic Effects, Moderate skin irritant, Moderate respiratory irritant, Moderate eye irritant

Safety Phrases:

S22 - Do not breathe dust

S24/25 - Avoid contact with skin and eyes

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection

Hazard Phrases:

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

H335 - May cause respiratory irritation

Precautionary Phrases:

P261 - Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P264 - Wash skin thoroughly after handling.

P271 - Use only outdoors or in a well-ventilated area.

P280 - Wear protective gloves/ eye protection/ face protection.

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.

P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312 - Call a POISON CENTER or doctor/ physician if you feel unwell.

P321 - Specific treatment (see supplemental first aid instructions on this label).

P332 + P313 - If skin irritation occurs: Get medical advice/ attention.

P337 + P313 - If eye irritation persists: Get medical advice/ attention.

P362 - Take off contaminated clothing and wash before reuse.

P403 + P233 - Store in a well - ventilated place. Keep container tightly closed.

P405 - Store locked up.

P501 - Dispose of contents/ container to an approved waste disposal plant.

Cite This Product

SP600125 (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-381)

Biological Description

Alternative Names

Anthra(1,9-cd)pyrazol-6(2H)-one, 1,9-Pyrazoloanthrone

Research Areas

Cancer, Apoptosis, Cell Signaling

PubChem ID

8515

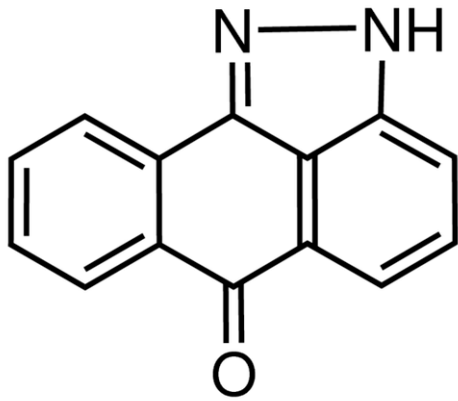
Scientific Background

Selective inhibitor of c-Jun N-terminal kinase (JNK). Competitively and reversibly inhibits JNK1, 2 and 3 (IC50 = 40 - 90 nM) with negligible activity at ERK2, p38 β and a range of enzymes (IC50 > 10 μ M). Active in vivo. Shown to have reduced selectivity over other protein kinases under certain conditions. Protects renal tubular epithelial cells against ischemia/reperfusion-induced apoptosis.

References

1. Bennett B.L., et al. (2001) Proc. Natl. Acad. Sci. U.S.A. 98(24): 13681-6.
 2. Schnabl B., et al. (2001) Hepatology. 34(5): 953-63.
 3. Bain J., et al. (2003) Biochem. J. 371(Pt 1): 199-204.
 4. Wang Y., et al. (2007) Life Sci. 80(22): 2067-75.
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Product Images



Chemical structure of SP600125 (SIH-381), a Jnk inhibitor. CAS #: 129-56-6. Molecular Formula: C₁₄H₈N₂O. Molecular Weight: 220.2 g/mol.

Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.